

Application  
Number Submit

## IDS Flag Clearance for Application 10781722

**IDS  
Information**

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
M844	2005-10-12	18	Y <input checked="" type="checkbox"/>	2006-11-28 08:53:15.0	PDharia
M844	2004-02-20	13	Y <input checked="" type="checkbox"/>	2006-11-28 08:53:18.0	PDharia
<input type="button" value="Update"/>					

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12	display and display adj line\$6 adj group\$6 and add\$6 same offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:22
L3	355	display same panel same drive and tone same driving	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:23
L4	1	display same panel same drive and tone same driving and respond\$6 same pixel\$1 same data same base\$6 same video same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:34
L5	9	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:11
L6	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same n same (data or video) same lines and grayscale\$6 same pixel\$1 same data same add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:53
L7	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same n same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:53
L8	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:54

## EAST Search History

L9	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data and video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:54
L10	1	display same panel same drive and tone same driving and pixel\$1 same data and video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:56
L11	1	display same panel same drive and tone same driving and video same signal\$6 same subfields and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:24
L12	2	display same panel same drive and tone same driving and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:58
L13	4	display same panel same drive and (tone\$6 or grayscale\$6) same driving and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:59
L14	17	display same panel same drive and (tone\$6 or grayscale\$6) and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:59
L15	21	display same panel same drive and (tone\$6 or grayscale\$6) same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:40
L16	94	display same panel same drive and (tone\$6 or grayscale\$6) adj pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:41

## EAST Search History

L17	2	display same panel same drive and (tone\$6 or grayscale\$6) adj pixel\$1 and add\$6 adj different adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:43
L18	0	display same panel same drive and (tone\$6 or grayscale\$6) adj pixel\$1 and add\$6 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:42
L19	2	display and (tone\$6 or grayscale\$6) adj pixel\$1 and add\$6 adj different adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:44
L20	0	display and pixel\$1 adj add\$6 adj different adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:44
L21	14	display and pixel\$1 adj add\$6 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:46
L22	1	display\$6 adj driv\$6 and pixel\$1 adj add\$6 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:47
L23	52	display\$6 adj driv\$6 and pixel\$1 and add\$3 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:48
L24	0	display\$6 adj driv\$6 and pixel\$1 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:48
L25	0	display\$6 adj driv\$6 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:49
L26	0	display\$6 adj driv\$6 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6 or grad\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:49

## EAST Search History

L27	0	display\$6 adj driv\$6 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6 or grad\$6 or contrast\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:50
L28	2	"20030006994"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:24
L29	25	display\$6 and reduc\$6 adj dither\$6 adj noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:58
L30	0	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 that same allot\$6 same respective same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:56
L31	0	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 that same allot\$6 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:56
L32	2	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 same allot\$6 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:56
L33	2	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 and allot\$6 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:57
L34	6	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 and (allot\$6 or assign\$6 or add\$3) same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:58
L35	7	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:58
L36	12	display\$6 and reduc\$6 adj dither\$6 adj noise and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:59

## EAST Search History

L37	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and subfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:24
L38	1	"20030006994" and subfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:26
L39	2	"20030006994" and bright\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:58
L40	1	"20030006994" and bright\$6 and offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:00
L41	0	"20030006994" and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:02
L42	1	"20030006994" and weigh\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:06
L43	1	"20030006994" and grayscale\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:06
L44	4	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:14
L45	0	display same panel same drive and tone same driving and subsubfield	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:21
L46	9	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:23

## EAST Search History

L47	1	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:24
L48	1	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and grayscale\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:24
L49	9	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6 or multi-grad\$6 multi adh grad\$6 or multi same grad\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 17:08
L50	3	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6 or multi-grad\$6 or multi adj grad\$6 or multi same grad\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:28
L51	1	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6 or multi-grad\$6 or multi adj grad\$6 or multi same grad\$6) and offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:25
L52	3	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6 or multi-grad\$6 or multi adj grad\$6 or multi same grad\$6) and add\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:29
L53	132	display same panel same drive and tone same driving and weight\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:23
L54	36	display same panel same drive and tone same driving and weight\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:23

## EAST Search History

L55	3	display same panel same drive and tone same driving and weight\$6 same line\$1 same group\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:22
L56	2	display same panel same drive and tone same driving and weight\$6 same line\$1 same group\$6 and bright\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:27
L57	2	display same panel same drive and tone same driving and weight\$6 same line\$1 same group\$6 same display\$6 and bright\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:28
L58	2	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6 or multi-grad\$6 or multi adj grad\$6 or multi same grad\$6) and add\$3 and tone same driving and weight\$6 same line\$1 same group\$6 same display\$6 and bright\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:32
L59	2	display same panel same drive and tone same driving and divid\$6 adj (subfield or sub adj field or sub-field) and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6 or multi-grad\$6 or multi adj grad\$6 or multi same grad\$6) and add\$3 and tone same driving and weight\$6 same line\$1 same group\$6 same display\$6 and bright\$6 and address\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:33
L60	8	electrophoretic same dispersion and applying same first same voltage and second same dispersion same state and second same voltage and capacitor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:57
L61	0	electrophoretic same dispersion and applying same first same voltage and second same sate and second same voltage and capacitor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 15:57
L62	24	electrophoretic same dispersion and applying same first same voltage and second same state and second same voltage and capacitor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:02



## EAST Search History

L63	1460	display and input same pad same clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:03
L64	2	display and input same pad same clock same wir\$5 same width same length	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:05
L65	1	display and input same pad same clock same wir\$5 same width same length same resistance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:05
L66	2	display and input same pad same clock and wir\$5 same width same length same resistance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:06
L67	86	display and wir\$5 same width same length same resistance same constant	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:07
L68	80	display and wir\$5 same width same length same resistance same constant and input\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:08
L69	37	display and wir\$5 same width same length same resistance same constant and input\$6 same pad\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:12
L70	0	display and wir\$5 same width same length same resistance same constant and input\$6 same pad\$6 same clock\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:11
L71	0	display and wir\$5 same width same length same resistance same constant and input\$6 same pad\$6 same clock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:11
L72	30	display and wir\$5 same width same length same resistance same constant and input\$6 same pad\$6 and clock\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:12

## EAST Search History

L73	0	display and wir\$5 same width same length same resistance same constant and input\$6 same pad\$6 and clock\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:12
L74	3	display and wir\$5 same width same length same resistance same constant and input\$6 same pad\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:18
L75	0	display and wir\$5 same width same length same resistance same constant and input\$6 and pad\$6 and clock\$6 and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:18
L76	3	display same panel same drive and tone same driving and weight\$6 same line\$1 same group\$6 and reset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:23
L77	4	display same panel same drive and tone same driving and video same signal\$6 same subfields and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6 display same panel same drive and tone same driving and weight\$6 same line\$1 same group\$6 and reset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:24
L78	0	display same panel same drive and tone same driving and video same signal\$6 same subfields and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6 and display same panel same drive and tone same driving and weight\$6 same line\$1 same group\$6 and reset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:24
L79	2	"20040165002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:26
L80	1	"20040165002" and weight\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:26

## EAST Search History

L81	0	"20040165002" and weight\$6 and subsubfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:27
L82	1	"20040165002" and weight\$6 and divid\$6 adj subfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:28
L83	1	"20040165002" and weight\$6 and subfield\$6 same divid\$6 same subfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 16:41
L84	1	"20040165002" and weight\$6 and subfield\$6 same divid\$6 same M same subfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 17:00

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same n same (data or video) same lines and same grayscale\$6 same pixel\$1 same data same add\$6 same different same offset same value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:51
		display panel drive for tone-driving, responding to pixel data based on a video signal, a display panel in which a field display period of the video signal is constituted by a plurality of subfields, and pixel cells each carrying a pixel for n (where n is a natural number) display lines are arranged, the display panel drive comprising: a multi-grayscale component for deriving multi-grayscale pixel data by adding each different offset value to the pixel data corresponding to a display line group including "[M." (k-1)+1 ]th display lines (where M is a natural number, and k is a natural number of n/M or smaller) of the display panel, a display line group including [M- (b)+2]th display lines thereof, a display line group including "[M." (k-t)+3]th display lines thereof, "...." a display line group including "[M." (k- 1)+M]th display lines thereof; and an address component for dividing at least one of said "plural!y.", of subfields into M subsubfields and performing~_for "the.....d..i.f..ere..n...t.d.i....sp[a.y" 1.in.e. grou_p_~ a lighting mode setting or an extinction mode setting based on the multi-grayscale pixel data with respect to each of the pixel cells belonging to the corresponding display line group "eae.h" different in at least M of the subfields in said M subsubfields, an	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:31
		"20030067425" and ((add\$6 or subtract\$6) same offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:22

## EAST Search History

L1	12	display and display adj line\$6 adj group\$6 and add\$6 same offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:22
L3	355	display same panel same drive and tone same driving	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:32
L4	1	display same panel same drive and tone same driving and respond\$6 same pixel\$1 same data same base\$6 same video same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:34
L5	9	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:11
L6	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same n same (data or video) same lines and grayscale\$6 same pixel\$1 same data same add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:53
L7	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same n same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:53
L8	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:54

## EAST Search History

L9	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data and video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:54
L10	1	display same panel same drive and tone same driving and pixel\$1 same data and video same signal\$6 and video same signal\$6 same subfields and pixel\$1 same (data or video) same lines and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:56
L11	1	display same panel same drive and tone same driving and video same signal\$6 same subfields and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:57
L12	2	display same panel same drive and tone same driving and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:58
L13	4	display same panel same drive and (tone\$6 or grayscale\$6) same driving and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:59
L14	17	display same panel same drive and (tone\$6 or grayscale\$6) and grayscale\$6 same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 10:59
L15	21	display same panel same drive and (tone\$6 or grayscale\$6) same pixel\$1 same data and add\$6 same different same offset\$6 same value\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:40
L16	94	display same panel same drive and (tone\$6 or grayscale\$6) adj pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:41

## EAST Search History

L17	2	display same panel same drive and (tone\$6 or grayscale\$6) adj pixel\$1 and add\$6 adj different adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:43
L18	0	display same panel same drive and (tone\$6 or grayscale\$6) adj pixel\$1 and add\$6 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:42
L19	2	display and (tone\$6 or grayscale\$6) adj pixel\$1 and add\$6 adj different adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:44
L20	0	display and pixel\$1 adj add\$6 adj different adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:44
L21	14	display and pixel\$1 adj add\$6 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:46
L22	1	display\$6 adj driv\$6 and pixel\$1 adj add\$6 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:47
L23	52	display\$6 adj driv\$6 and pixel\$1 and add\$3 adj offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:48
L24	0	display\$6 adj driv\$6 and pixel\$1 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:48
L25	0	display\$6 adj driv\$6 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:49
L26	0	display\$6 adj driv\$6 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6 or grad\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:49

## EAST Search History

L27	0	display\$6 adj driv\$6 and add\$3 adj offset\$6 adj (tone\$6 or grayscale\$6 or grad\$6 or contrast\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:50
L28	2	"20030006994"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:24
L29	25	display\$6 and reduc\$6 adj dither\$6 adj noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:58
L30	0	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 that same allot\$6 same respective same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:56
L31	0	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 that same allot\$6 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:56
L32	2	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 same allot\$6 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:56
L33	2	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 and allot\$6 same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:57
L34	6	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1 and (allot\$6 or assign\$6 or add\$3) same pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:58
L35	7	display\$6 and reduc\$6 adj dither\$6 adj noise and dither\$6 same coefficient\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:58
L36	12	display\$6 and reduc\$6 adj dither\$6 adj noise and "345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 12:59



## EAST Search History

L37	1	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and subfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:24
L38	1	"20030006994" and subfield\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:26
L39	2	"20030006994" and bright\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 13:58
L40	1	"20030006994" and bright\$6 and offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:00
L41	0	"20030006994" and (multi-grayscale\$6 or multi adj grayscale\$6 or multi same grayscale\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:02
L42	1	"20030006994" and weigh\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:06
L43	1	"20030006994" and grayscale\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:06
L44	4	display same panel same drive and tone same driving and respond\$6 and pixel\$1 same data same video same signal\$6 and offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/10 14:14
S1	13524	display and driv\$6 same tone\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 08:18
S2	2614	display and driv\$6 same tone\$6 and pixel\$1 same data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 13:28

## EAST Search History

S3	837	display and driv\$6 same tone\$6 and pixel\$1 same data and video same signal\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 13:28
S4	24	display and driv\$6 same tone\$6 and pixel\$1 same data and video same signal\$6 and sub-field\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 14:16
S5	0	display and driv\$6 same tone\$6 and pixel\$1 same data and video same signal\$6 and sub-field\$1 and (add\$6 or subtract\$6) same offset	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 14:17
S6	0	display and driv\$6 same tone\$6 and video same signal\$6 and sub-field\$1 and (add\$6 or subtract\$6) same offset\$6 same pixel\$1 same data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 14:18
S7	4	display and driv\$6 same (tone\$6 or grad\$6 or gray\$6) and video same signal\$6 and sub-field\$1 and (add\$6 or subtract\$6) same offset\$6 same pixel\$1 same data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 14:20
S8	7	display and driv\$6 same (tone\$6 or grad\$6 or gray\$6) and sub-field\$1 and (add\$6 or subtract\$6) same offset\$6 same pixel\$1 same data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 14:25
S9	2	display and driv\$6 same (tone\$6 or grad\$6 or gray\$6) and sub-field\$1 and (add\$6 or subtract\$6) same offset\$6 same pixel\$1 same data and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 14:26
S10	5	display and driv\$6 same (tone\$6 or grad\$6 or gray\$6) and sub-field\$1 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data) and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:17
S11	2	(PDP or plasma same display same panel) and driv\$6 same (tone\$6 or grad\$6 or gray\$6) and sub-field\$1 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data) and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:20

## EAST Search History

S12	4	(PDP or plasma same display same panel) and (driv\$6 and (tone\$6 or grad\$6 or gray\$6)) and sub-field\$1 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data) and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:22
S13	2	(PDP or plasma same display same panel) and driv\$6 same (tone\$6 or grad\$6 or gray\$6 or pixel\$1 same data) and sub-field\$1 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data) and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:20
S14	323	(PDP or plasma same display same panel) and (driv\$6 same pixel\$1 same data) and sub-field\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:24
S15	1	(PDP or plasma same display same panel) and (driv\$6 same pixel\$1 same data) and sub-field\$1 and ((add\$6 or subtract\$6) same offset\$6 same pixel\$1 same data) and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:23
S16	2	(PDP or plasma same display same panel) and (driv\$6 same pixel\$1 same data) and sub-field\$1 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data) and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:24
S17	26	(PDP or plasma same display same panel) and (driv\$6 same pixel\$1 same data) and sub-field\$1 and ((add\$6 or subtract\$6) and offset\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:25
S18	8	(PDP or plasma same display same panel) and (driv\$6 same pixel\$1 same data) and sub-field\$1 and ((add\$6 or subtract\$6) and offset\$6) and group\$6 same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:25
S19	0	10-98662	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 08:19
S20	9	"1098662"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 08:19

## EAST Search History

S21	4	"10098662"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 08:19
S22	2	"2000227778"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:23
S23	6	"10344526"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 08:58
S24	2	"20040038615"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 08:58
S25	3	"6,614,413".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:48
S26	1	"6,614,413".pn. and line\$6 same group\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:49
S27	1	"6,614,413".pn. and display same line\$6 same group\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:50
S28	57	display and display adj line\$6 adj group\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:51
S30	10	display and display adj line\$6 adj group\$6 and (add\$6 or subtract\$6) same offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:52
S31	8	display and display adj line\$6 adj group\$6 and (add\$6 or subtract\$6) same offset\$6 same pixel\$1 same data	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:54

## EAST Search History

S32	8	display and display adj line\$6 adj group\$6 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:55
S33	26	display and display adj line\$6 same group\$6 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 10:00
S34	26	display and (display adj line\$6) same group\$6 and ((add\$6 or subtract\$6) same offset\$6 and pixel\$1 same data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:56
S35	3	"20030067425"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:59
S36	2	"20030067425" and (add\$6 or subtract\$6) same offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 10:00
S37	0	"20030067425" and (add\$3 or subtract\$3) same offset\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 10:00
S38	15	display and display adj line\$6 same group\$6 and ((add\$3 or subtract\$3) same offset\$6 and pixel\$1 same data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 10:05
S39	9	display and display adj line\$6 same group\$6 and ((add\$3 or subtract\$3) same offset\$6 and pixel\$1 same data) and reset	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 10:07
S40	9	display and display adj line\$6 same group\$6 and ((add\$3 or subtract\$3) same offset\$6 and pixel\$1 same data) and reset and address\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 10:08
S41	90288	(TV or television) same set	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:51

## EAST Search History

S42	103	(TV or television) same set and stored same clothing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:52
S43	5	(TV or television) same set same stored same clothing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:54
S44	0	(TV or television) same set same small same stored same clothing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:54
S45	3	(TV or television) same set and stored adj clothing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:54
S46	0	(TV or television) same set same small\$6 and stored adj clothing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:55
S47	3	"01262947"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:23
S48	8	"1262947"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:24
S49	0	"1262947" and group\$6 same display same data same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:25
S50	1	"1262947" and group\$6 and display same data same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:25
S51	1	"1262947" and group\$6 and display and data same line\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:26